

penergetic



the natural biotechnology

Products for Optimal Crop Production



- ◆ for all field crops - corn, soybeans, cereals, etc.
- ◆ improve soil fertility, elevate crop yield & quality
- ◆ available in powder or liquid composition
- ◆ for conventional, organic or transitional farming
- ◆ application methods:
 - seed dressing
 - dry (mix with granular)
 - spray (including foliar)

Economical • Easy to Use • Effective
Global Experience • Swiss Quality

OMRI
Listed



OVERVIEW INFORMATION ON USING PENERGETIC K AND PENERGETIC P FOR CROP PRODUCTION

[Note: “k” in Penergetic k stands for “kompost”, the German word for compost and “p” in Penergetic p is for the German word for plant].

Penergetic k *

- applied as a pre-seed application (can be mixed with any other field-applied inputs) *
- improves soil fertility by activating soil microorganisms, breaking down plant residue and assisting to release phosphorus and potassium fixed to clay and organic soil particles
- promotes quicker plant emergence and supports increased root development
- application rate (field crops): 3.5 oz. (100 grams) / acre (optional: first time can be applied at up to 7 oz. (200 grams) / acre
- Penergetic k ULTRA comes in 13.2 lb. (6.0 kg) box. At 3.5 oz. (100 g) / acre covers 60 acres

* can also be field applied by mixing with granular fertilizer or added to liquid manure/slurry (when being agitated prior to field application) or added to compost when being field applied (improves compost quality).

Penergetic p **

- used as an in-crop foliar application (again can be mixed with and applied at the same time as applying other farm chemicals - herbicide, fungicide, insecticide...)
- promotes increased plant development as enables plants to better access nutrients
- results in healthier plants which helps to reduced susceptibility to disease and insects, increase plant development and lower the rates of farm chemicals required
- application rate: 3 oz. (100 grams) / acre (most cereals and field crops)
- Penergetic p ULTRA comes in 13.2 lb. (6.0 kg) box which, at 3.5 oz. (100 grams) / acre is sufficient for 60 acres

** can also be used as a seed dressing or mixed with granular fertilizer.

Penergetic products are from Switzerland and are used around the world. Currently, Brazil has the greatest experience with (and makes the most extensive use of) penergetic k and p. There they have witnessed an increase in yield and improvement in plant quality while reducing the amount of fertilizer and other farm chemicals required. At the same time, they have experienced an improvement in soil texture and soil fertility (as measured from soil testing after harvest – something that we recommend users do to confirm product efficacy). As referenced in the article titled [Soil Fertility Dilemma](#), with extended use penergetic k and p cause such an increase in mineralization of organic phosphorus to plant available phosphorus that farmers often find that they no longer need to apply phosphorus fertilizer. And, experience has demonstrated that it is not just phosphorus, but trace minerals and organic matter content that increase. Typically, for conventional crop production, fertilizer use can be reduced by 20-30% while experiencing an increase in yield.